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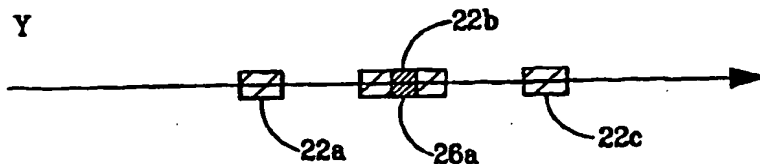
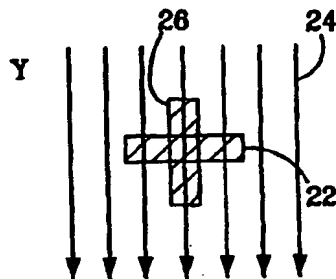
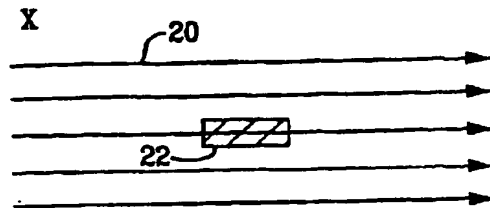
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[Continued on next page]

(54) Title: DATA COMPRESSION USING MATCHING PURSUITS



(57) Abstract: A method and apparatus for data compression comprising applying a de-correlating transform to multi-dimensional data to be compressed, then using a sequence of one or more one-dimensional matching pursuits algorithms to code the output of the transform. The invention finds particular application in video and still image coders, particularly real-time coders, those intended for use at very low bit rates, and those for which scalable bit rates are of importance.

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